

SCORE
A

Numbers

With Classified
answer book

8

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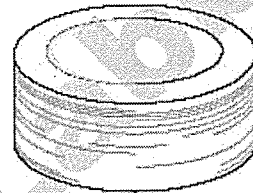
22- Using CALCULATORS

1. Plastic cups are sold in packs of 8
Amir needs 27 cups.
How many packs must he buy?



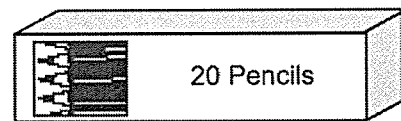
.....packs

2. There are 30 paper plates in a pack.
Amir buys 2 packs.
He uses 37 plates.
How many plates are left?



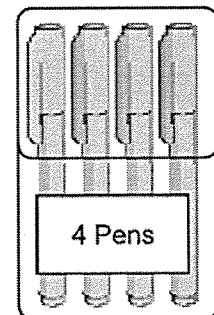
.....plates

3. 50 children need two pencils each.
There are 20 pencils in a box.
How many boxes of pencils are needed?



.....boxes

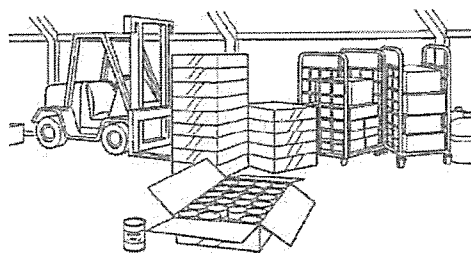
4. 50 children need one pen each.
Pens are sold in packs of 4
How many packs of pens need to be bought?



.....packs

5. In a supermarket storeroom there are

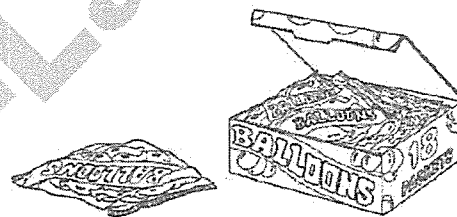
- 7 boxes of tomato soup
- 5 boxes of pea soup
- 4 boxes of chicken soup
- There are **24** tins in every box.



How many **tins** of soup are there **altogether**?

6. There are **5** balloons in a packet.

There are **18** packets in a box.



How many balloons are there **altogether** in a **box**?

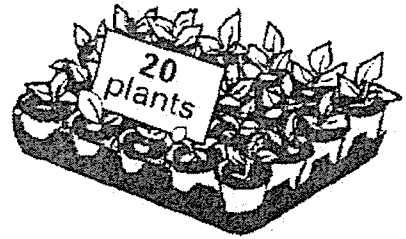
7. There are 5 balloons in a packet.

Kofi needs 65 balloons.

How many packets does he need?

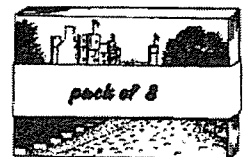
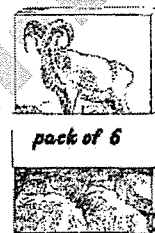


8. Plants are sold in trays of 20
(a) Ivana buys 7 trays of plants.
How many plants is this?



- (b) David wants **240 plants**.
How many trays does he need to buy?

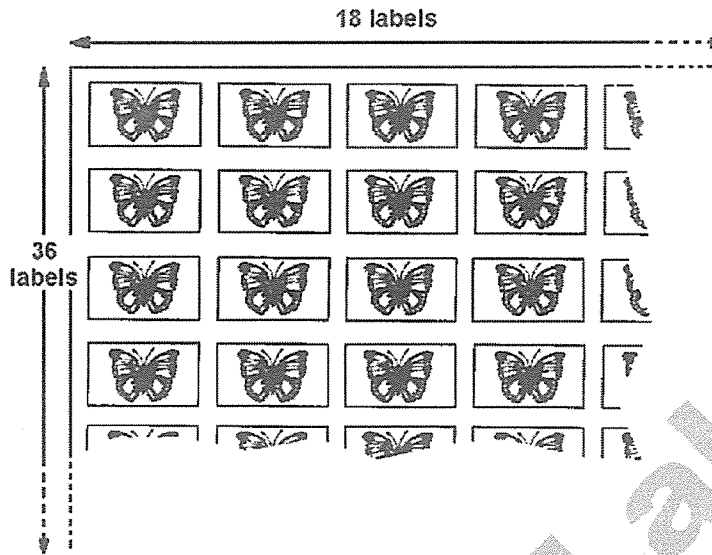
9. A shop sells postcards in packs of 6
and packs of 8.
(a) Alan bought 4 packs of 8 cards.
How many cards did he get?



- (b) Shereen bought some **packs of 6 cards**.
Altogether she has **30 cards**.
How many **packs of 6** did she buy?

10. A shop sells sheets of sticky labels.

On each sheet there are **36 rows** and **18 columns** of labels.



How many labels are there altogether on **45 sheets**?

11. p and q each stand for whole numbers.

$$p + q = 1000$$

p is 150 greater than q .

Calculate the numbers p and q .

23- Mental Calculations

1. Complete these calculations by using $>$, $<$ and $=$.

a) $96 \div 60$ $0.4 \times 0.5 \times 8$

b) 3.2×0.3 0.08×1.2

c) $1.5 \times 1.2 \times 4.5$ 0.9^2

d) $2.5 \times 3.6 \times 3.5$ 35×0.9

2. Here are two inequality symbols.



Write the correct inequality symbol in each box to complete these statements.

12.62×0.91 12.62

$12.62 \div 0.91$ 12.62

$0.91 \div 12.62$ 12.62

3. Use two different ways to calculate $\frac{2}{5}$ of $\frac{4}{5}$ of 300 kg.

5. Work out.

(a) $(8 \times 0.75)^2 \times 0.5$

(b) $\frac{2}{5} \times 127 - \frac{2}{5} \times 7$

6. Given that $8.95 \times 5.62 = 50.299$ complete these calculations.

$$895 \times 0.562 =$$

$$502.99 \div 56.2 =$$

7. Find the exterior angle of a regular pentagon.

8. There were 34 coins in a bag.

Jim took 15 coins out of the bag. Rose put 17 coins into the bag.

How many coins are now in the bag?

9. 33 people were on a bus.

19 people got off.

15 people got on.

How many people are now on the bus?

10. Mrs Adams bought cinema tickets for 4 adults and their children.

An adult ticket costs £5

A child ticket costs £4

Mrs Adams paid a total of £48

Work out the number of child tickets bought by Mrs Adams.

11. Rizwan buys

6 stamps at 25p each

2 packs of postcards at 89p per pack

1 pack of labels at £1.09

He pays with a £10 note.

Work out how much change Rizwan should get.

12. (a) A century means 100 years

(i) How many years is half a century?

(ii) A house is 63 years old.

How many more years will it be before becomes a century old?

(b) A race is run over a distance of fifteen hundred metres.
write this distance in figures

13. Joe buys 345 kg of soil and splits it between 15 pots.

To calculate how much soil goes in each pot,

he divides by 345 by 15 and does the following calculations: $345 \div 15 =$

$$= 345 \div 5 \times 3$$

$$= 69 \times 3$$

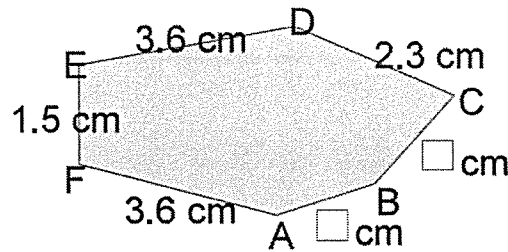
$$= 207 \text{ kg.}$$

Joe thinks his answer does not make sense.

What mistake has he made?

What should the answer be?

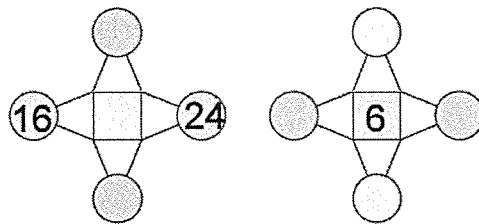
14. The perimeter of the hexagon below is 17 cm.
The length of BC is 1.5 times longer than the length of AB.
Calculate the missing lengths.



Discuss the methods that you use to find 0.5%.

15. A farmer takes 240 cheeses to sell in the market.
In the first hour, she sold 7.5% of the cheeses she had.
She sold $\frac{5}{6}$ of the cheeses she had during the rest of the day.
How many cheeses did she have left at the end of the day?

16. The HCF of the opposite numbers is the number in the square in the middle.
Use the numbers 8, 18, 24, 30, 40, 54, 60 to complete the diagrams below.



17. Work out 362×54

You must show all your working.

18. Work out 736×24

You must show all your working.

19. Richard paid 56p for 7 pencils.

The cost of each pencil was the same.
Work out the cost of 4 of these pencils.

20. 487 is divided by 23

What is the remainder?

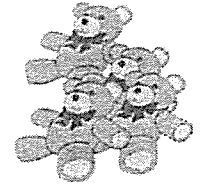
You must show all your working.

21. Work out $1572 \div 3$

You must show all your working.

22. Work out 286×43

23. Fatima bought 48 teddy bears at £9.55 each.
(a) Work out the total amount she paid.



Fatima sold all the teddy bears for a total of £696.
She sold each teddy bear for the same price.

- (b) Work out the price at which Fatima sold each teddy bear.

24. Tick (✓) each multiplication that has an answer greater than 1000

One has been done for you.

$11 \times 10 \times 10$

$12 \times 11 \times 8$

$13 \times 9 \times 8$

11×6

12×6

25. One battery weighs the same as 60 paperclips.

One pencil sharpener weighs the same as 20 paperclips.



- a) How many pencil sharpeners weigh the same as one battery?

- (b) How many paperclips weigh the same as 2 batteries and 4 pencil sharpeners together?

26. Here are five calculations.

A $720 \div 64$

B $820 \div 75$

C $920 \div 80$

D $1020 \div 90$

E $1120 \div 100$

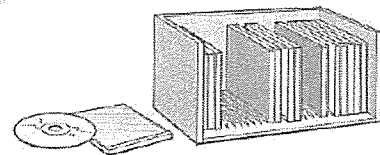
Write the letter of the calculation that has the **greatest** answer.

Write the letter of the calculation that has an answer **closest to 11**

27. Here is a CD rack.

One rack holds 25 CDs.

David has 83 CDs.



(a) How many racks does he need to hold all his CDs?

(b) Lin has 6 racks full of CDs.

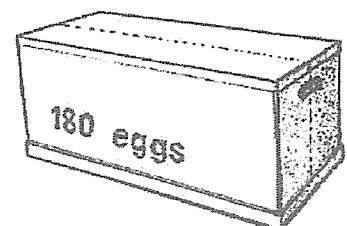
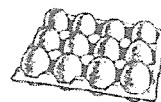
How many CDs does Lin have altogether?

28. Eggs are put in trays of 12.

The trays are packed in boxes.

Each **box** contains **180** eggs.

How many **trays** are in each **box**?



29. Alan has **45 beans**.

He plants **3 beans** in each of his pots.

(a) How many pots does he need?



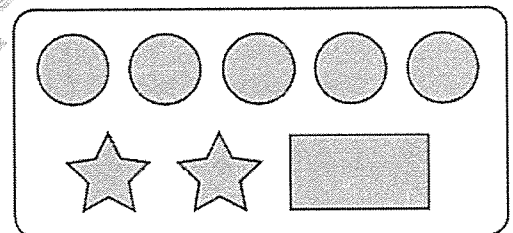
(b) Leila puts 4 seeds in each of her pots.

She uses 6 pots and has 1 seed left over.

How many seeds did she start with?

30. On a sheet of stickers there are 5 circles, 2 stars and one rectangle.

a) How many stickers are there altogether on 4 sheets?



(b) Nisha needs 55 circles.

How many sheets of stickers does she need?

(c) Ben has 10 sheets of stickers.

How many more circles than rectangles does he have?

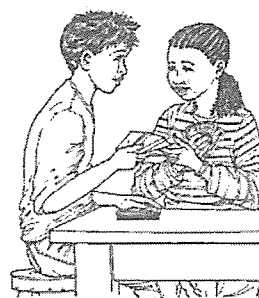
31. Tom and Nadia have 16 cards each.

Tom gives Nadia 12 of his cards.

How many cards do Tom and Nadia each have now?

Tom

Nadia



Lucy also has 16 cards.

She gives a quarter of her cards to Kiran.

How many cards does Lucy give to Kiran?

32. Work out.

$$\left(1 - \frac{3}{5}\right) \div \left(1 - \frac{5}{9}\right)$$

Give your answer as a fraction in its simplest form.

33. Calculate.

$$\frac{0.6 + (1.78 - 0.28)^2}{5}$$